

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/15036

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04B3/32 H04L5/20

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H04B H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SCOTT: "PROPAGATION OVER MULTIPLE PARALLEL TRANSMISSION LINES VIA MODES" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 32, no. 11, 1 April 1990 (1990-04-01), pages 1-6, XP002063555 ISSN: 0018-8689 page 1  --- -/-	1-20

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

5 April 2004

Date of mailing of the international search report

20/04/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EL-ZEIN A ET AL: "An analytical method for finding the maximum crosstalk in lossless-coupled transmission lines" PROCEEDINGS OF THE IEEE/ACM INTERNATIONAL CONFERENCE ON COMPUTER AIDED DESIGN (ICCAD). SANTA CLARA, NOV. 8 - 12, 1992, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. CONF. 10, 8 November 1992 (1992-11-08), pages 443-448, XP010094508 ISBN: 0-8186-3010-8 page 444, left-hand column, paragraph 4 -right-hand column, paragraph 2 ----	1-20
A	GUO-LIN LI ET AL: "Line-modes decomposition of three-conductor transmission lines" MICROWAVE CONFERENCE, 2000 ASIA-PACIFIC SYDNEY, NSW, AUSTRALIA 3-6 DEC. 2000, PISCATAWAY, NJ, USA, IEEE, US, 3 December 2000 (2000-12-03), pages 1031-1034, XP010545073 ISBN: 0-7803-6435-X the whole document ----	1-20
A	ABUSHAABAN M ET AL: "MODAL CIRCUIT DECOMPOSITION OF LOSSY MULTICONDUCTOR TRANSMISSION LINES" IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE INC. NEW YORK, US, vol. 44, no. 7, 1 July 1996 (1996-07-01), pages 1046-1056, XP000749223 ISSN: 0018-9480 abstract; figure 2 Section IV -----	1-20